## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application:

## **LISTING OF CLAIMS:**

1. (Previously Presented): A slitter blade assembly for cutting off a workpiece, comprising:

a drum-shaped rotary blade; and

a disk-shaped rotary blade;

said disk-shaped rotary blade having a cutting edge, a first beveled surface facing said drum-shaped rotary blade and progressively spaced from said drum-shaped rotary blade toward said cutting edge, and a second beveled surface facing the workpiece and progressively spaced from said cutting edge away from the workpiece, wherein a first distance (CL) of said first beveled surface up from said cutting edge along a severance plane perpendicular to a surface of the workpiece is set to a value which ranges from  $40\mu m$  to  $200\mu m$  and a first angle ( $\theta 6$ ) of said first beveled surface from said severance plane is set to a value which ranges from  $0.8^{\circ}$  to  $14^{\circ}$ .

2. (Previously Presented): A slitter blade assembly according to claim 1, wherein a second angle ( $\theta$ 1) of said second beveled surface from said severance plane is set to a value which ranges from 65° to 85°.

- 3. (Previously Presented): A slitter blade assembly according to claim 2, wherein said disk-shaped rotary blade has a first clearance surface contiguous to said first beveled surface, and a third angle ( $\theta$ 3) of said first clearance surface from said severance plane is set to a value which ranges from 2° to 5°.
- 4. (Previously Presented): A slitter blade assembly according to claim 2, wherein said disk-shaped rotary blade has a second clearance surface contiguous to said second beveled surface, and a fourth angle ( $\theta$ 2) of said second clearance surface from said severance plane is set to a value which ranges from 20° to 45°.
- 5. (Previously Presented): A slitter blade assembly according to claim 4, wherein said second beveled surface and said second clearance surface are joined to each other at a junction, and a second distance (L1) from said junction to said severance plane is set to a value which ranges from 0.2 mm to 0.8 mm.
- 6. (Previously Presented): A slitter blade assembly for cutting off a workpiece, comprising:
  - a drum-shaped rotary blade; and
  - a disk-shaped rotary blade;
- said disk-shaped rotary blade having a cutting edge, a first beveled surface facing said drum-shaped rotary blade and progressively spaced from said drum-shaped rotary blade toward said cutting edge, and a second beveled surface facing the workpiece and progressively spaced

from said cutting edge away from the workpiece, wherein said cutting edge of the disk-shaped rotary blade has irregularities along a circumference of the disk-shaped rotary blade, said irregularities having an irregularity quantity (G) set to a value which ranges from  $0.5 \, \mu m$  to  $5 \, \mu m$ .

- 7. (Original): A slitter blade assembly according to claim 1, wherein said disk-shaped rotary blade and/or said drum-shaped rotary blade is made of a cemented carbide.
  - 8. (Withdrawn): A slitter blade assembly for cutting off a workpiece, comprising: a drum-shaped rotary blade; and a disk-shaped rotary blade;

said drum-shaped rotary blade having a cutting edge and a third beveled surface facing said disk-shaped rotary blade and progressively spaced from said disk-shaped rotary blade toward said cutting edge.

9. (Withdrawn): A slitter blade assembly according to claim 8, wherein the distance HL of said third beveled surface up to said cutting edge along a severance plane perpendicular to a surface of the workpiece is set to a value which ranges from 25  $\mu$ m to 500  $\mu$ m, and the angle 05 of said third beveled surface from said severance plane is set to a value which ranges from 0.0° to 0.6°.

- 10. (Withdrawn): A slitter blade assembly according to claim 9, wherein said drumshaped rotary blade has a third clearance surface contiguous to said third beveled surface, and the angle  $\theta$ 4 of said third clearance surface from said severance plane is set to a value which ranges from 2° to 4°.
- 11. (Withdrawn): A slitter blade assembly according to claim 8, wherein said disk-shaped rotary blade and/or said drum-shaped rotary blade is made of a cemented carbide.
  - 12. (Withdrawn): A slitter blade assembly for cutting off a workpiece, comprising: a drum-shaped rotary blade; and a disk-shaped rotary blade;

said disk-shaped rotary blade having a cutting edge, a first beveled surface facing said drum-shaped rotary blade and progressively spaced from said drum-shaped rotary blade toward said cutting edge of the disk-shaped rotary blade, and a second beveled surface facing the workpiece and progressively spaced from said cutting edge of the disk-shaped rotary blade away from the workpiece;

said drum-shaped rotary blade having a cutting edge and a third beveled surface facing said disk-shaped rotary blade and progressively spaced from said disk-shaped rotary blade toward said cutting edge of the drum-shaped rotary blade.

13. (Withdrawn): A slitter blade assembly according to claim 12, wherein said disk-shaped rotary blade and/or said drum-shaped rotary blade is made of a cemented carbide.

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- 14. (Withdrawn): A slitter blade assembly according to claim 12, wherein the distance CL of said first beveled surface up to said cutting edge along a severance plane perpendicular to a surface of the workpiece is set to a value which ranges from 40  $\mu$ m to 200  $\mu$ m, the angle  $\theta$ 6 of said first beveled surface from said severance plane is set to a value which ranges from  $0.8^{\circ}$  to  $14^{\circ}$ , the angle  $\theta$ 1 of said second beveled surface from said severance plane is set to a value which ranges from  $65^{\circ}$  to  $85^{\circ}$ , the distance HL of said third beveled surface up to said cutting edge along a severance plane is set to a value which ranges from  $25 \mu$ m to  $500 \mu$ m, and the angle  $0.00^{\circ}$  to  $0.00^{\circ}$ .
- 15. (Currently Amended): A slitter blade assembly according to claim 1, wherein said cutting edge is spaced apart from a the severance plane perpendicular to a surface of the workpiece.
- 16. (Previously Presented): A slitter blade assembly according to claim 1, further comprising a means for rotating the drum-shaped rotary blade in unison with the disk-shaped rotary blade.
- 17. (Previously Presented): A slitter blade assembly for cutting off a workpiece, comprising:
  - a drum-shaped rotary blade; and

a disk-shaped rotary blade;

said disk-shaped rotary blade having a cutting edge, a first beveled surface facing said drum-shaped rotary blade and progressively spaced from said drum-shaped rotary blade toward said cutting edge, and a second beveled surface facing the workpiece and progressively spaced from said cutting edge away from the workpiece, wherein the drum-shaped rotary blade is disposed on a drum shaft, the disk-shaped rotary blade is disposed on a disk shaft, and the slitter blade assembly further comprising a means for rotating the drum shaft in unison with the disk shaft.

18. (Previously Presented): A slitter blade assembly according to claim 6, wherein said irregularities having one of saw-tooth shape and undulating shape and said irregularity quantity being a distance from a bottom to a top of one of the irregularities.